



> -----Original Message-----

> From: Krahenbuhl, Charles R NWW

> Sent: Tuesday, December 14, 2004 1:13 PM

> To: Barry Holliday; Bolyvong Tanovan; Brent Mahan; Carl Knaak; Dale Mazar; Dan Butcher; Daniel Murray; David Brown; David Lichy; David Mistakovich; David Shank; Deborah Chenoweth; Des Goyal; Diane Parks; Donald Faulkner; Donald Juett; Donna Ayres; Doug Mcmichael; Elisa Pellicciotto; Hiroshi Eto; James Mahar; James Mueller; Jerry Brown; Jerry Brown; Jody Farhat; John DeVeaux; John Eskridge; Kamau Sadiki; Karl Bryan; Karl Nilson; Kathleen Perales; Kimberley Oldham; Kyle Jones; Larry Holman; Larry Walker; Leon Cromartie Jr; Leonard Henry; Mark Guest; Mark Harvison; Michael Jordan; Michael Roll; Paris Embree; Peter Gibson; Peter Hentschel; Philip Wagner; Rod Shank; Roy Harvison; Sandra Takabayashi; Stephen Voss; Steven Rose; Stuart Cook; Thomas Fleeger; Thomas Verna; Virginia Dickerson; Wayne John; William Holtzman

> Cc: Mahan, Brent L HQ02

> Subject: Corps Multipurpose Hydropower Benchmarking-Current Participation

>

> Greetings-first a disclaimer-I have your name as part of the overall hydropower team/COP from 06 budget development. If this subject is not in your area of responsibility/influence, please let me know and I'll remove your name from future messages.

>

> An introduction, I'm Charlie Krahenbuhl and have been the co-chair for the Performance Measures committee in our direct funding partnership with Bonneville Power Administration which includes benchmarking across the hydropower industry for several years. For most of that time our focus was the 21 plants in the Columbia Northwest.

> There are 2 benchmarking programs in the industry:

> \* Haddon-Jackson, HJAConsulting, that is an independent consultant who has 10 years of experience worldwide. A fair number of Corps plants have been benchmarked-this year 5 plants in Walla Walla District and several in Nashville were in the program. Walla Walla is having their on-site review with Chuck Haddon on 18 Jan. This benchmarking has had a significant affect on our discussions and direct funding arrangement/budgets with BPA. A couple of years ago we also benchmarked natural resources/recreation with HJA and TVA. Chuck has benchmarked us enough times that he is very conversant in CEFMS and thus data calls have become relatively routine. HJA telephone is 770.993.8778 and email is chaddon@hjaconsulting.com

> \* The second benchmarking venue is Electric Utility Cost Group (EUCG). This is an industry group originally started by the thermal/nuclears but there is a small but very active hydropower group. A couple of us in the Northwest have been the Corps reps to the group and the Corps became full members last year. We had previously participated/attended as guests of BPA. We are in the process of completely revising and updating the data fields and definitions for this benchmarking and Lower Granite will be our beta test this spring for the new categories. Active utilities have been BC, Manitoba, Ontario and New Brunswick Power, New York Power Authority, BPA, PG&E; all of the BoR plants; Salt River Project; Grant County PUD and several others. By our

membership, approximately \$3500/year, we can benchmark all of our plants and also attend powerplant management workshops where best management practices are shared and issues common to the industry are discussed. In our new data model it is less detailed than HJA but still focuses on core operations and maintenance benchmarks. The website is [www.eucg.org](http://www.eucg.org)

> \* Please consider how benchmarking may fit into your overall hydropower management program to include performance measures for hydropower businessline budgeting and these two sources. I'm available to discuss at any time . Brent Mahan, currently Hydropower lead in HQ, is the overall proponent-Brent-let's chat on EUCG membership for 05 when you get a chance.....>

> Regards Charlie

> Charles R. Krahenbuhl, P.E.

> Operations Division

> Walla Walla District

> U.S. Army Corps of Engineers

> 509 527 7102 fax 509 527 7820

> [charles.r.krahenbuhl@usace.army.mil](mailto:charles.r.krahenbuhl@usace.army.mil) <<mailto:charles.r.krahenbuhl@usace.army.mil>>